

For Research Use Only

PDSS2 Polyclonal antibody

Catalog Number: 13544-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number:

13544-1-AP

Size:

300 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4487

GenBank Accession Number:

BC039906

GeneID (NCBI):

57107

UNIPROT ID:

Q86YH6

Full Name:

prenyl (decaprenyl) diphosphate synthase, subunit 2

Calculated MW:

399 aa, 44 kDa

Observed MW:

27-30 kDa, 44-47 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:250-1:1000

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : SGC-7901 cells, A375 cells

IHC : human kidney tissue, human liver cancer tissue, mouse liver tissue, rat kidney tissue

Background Information

PDSS2, also named as C6orf210, is required for the synthesis of coenzyme Q10 (CoQ10), which is synthesized in the mitochondrial inner membrane and plays a vital role in the mitochondrial respiratory chain, pyrimidine nucleoside biosynthesis, and modulation of apoptosis (PMID:25330808). An increasing body of evidence suggests that PDSS2 is a tumor suppressor gene in certain cancers, such as melanoma, gastric cancer and non-small cell lung cancer. Besides, PDSS2 could be used as a prognostic biomarker for HCC (PMID:25780306). PDSS2 has 2 isoforms with MW of 44 kDa and 27 kDa while 13544-1-AP antibody detects the bands around 27-30 kDa and 44-47 kDa in SDS-PAGE.

Notable Publications

Author	Pubmed ID	Journal	Application
Ying Wang	36176269	MicroPubl Biol	WB
Agustín Hidalgo-Gutiérrez	30482867	EMBO Mol Med	WB
Yaakov Bentov	26552664	J Assist Reprod Genet	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

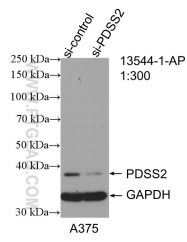
T: 4006900926

E: Proteintech-CN@ptglab.com

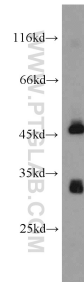
W: ptgcn.com

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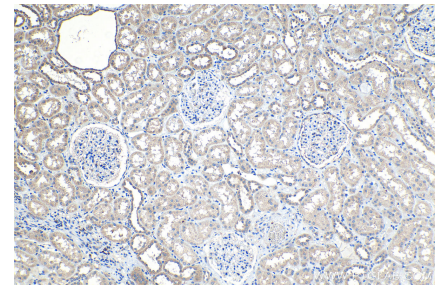
Selected Validation Data



WB result of PDSS2 antibody (13544-1-AP; 1:300; incubated at room temperature for 1.5 hours) with sh-Control and sh-PDSS2 transfected A375 cells.



SGC-7901 cells were subjected to SDS PAGE followed by western blot with 13544-1-AP (PDSS2 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 13544-1-AP (PDSS2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).